In support of the accuracy of his views, he gives the following table:—

TABLE 0.

Number	Interval Minutes	Metal. C	Si	p	Mn	Slag. Mn	Fe	Fe % on Mn	Remarks.
		Per cent.	Per cent.	Per cent.	Per cent.	Per cent	Per cent.	Per cent.	
		3-36	0-05	0-07	0-45		—.	42	Charge 19,232kg. pigiron; very hot;
1	10	3-10	0-05	0-07	0-63	16-87	7-12		manganese reduced from slag.
		3-05	0-03	0-07	0-77	__	—	42	Charge 19,232 kg.pig iron ; very hot ;
2	13-	3-00	0-03	0-08	0-84	14-08	6-04		maiigan ese reduced from slag.
		2-34	0-02	0-08	0-49	—	—	92	Charge 1 9,232 kg. pig iron ; very h< >t;
	15-	2-04	0-02	o-oi	0-59	11-80	11-00		manganese reduced from slag.
	.,n!	0-56	0-01	o-oi	0-36	—	—	94	Charge 19,300 kg.; hot; »la#
	ou-	0'39	0-01	o-oi	0-41	10-09	9-51		watery ; Mn reduced.
	9«(	1-56	0-05	0-03	0-52	—	__-	81	Charge 20,303 kg. pig iron ; charge
°	2° 1	1-47	0-05	0-03	0-63	12-67	10-32		hot, slag thin; Mn reduced from slag.
	«*(.	0-42	0-05	0-03	0-49	—	—	78	Charge 20, 303 kg. pig iron; vory IK >t ;
	00 -j	0-08	0-05	0-03	0-86	11-80	9-25		slagboiling; Mn reduced from slug-.
^	95!	1-91	0-05	o-oi	0-38	—	—	95	Charge 20,860 kg. pigiron; vory hot;
i	20 1	1-2	0-05	0-03	0-4	12-74	12-10		Mn was reduced.

		5			2				
		0-			0-				
		7	0-	0-	3				Charge 20,100 kg. pig
	on	1	04	05	8	—	—	86	iron ; nla#
	oU	0-	0-	0-	0-	11-	9-		boiling, gas evolution
	-	0	04	05	5	00	55		Hiuall; Mrt
		5			6				
									reduced.
q	SH	2-	0-	tra	0-	—	—	79	Charge 21,520 kg. pig
	-	9	05	ce	2				iron; vory hot;
		4			8				
<	Ow	1-	0-	0-	0-	12-	9-		Mn reduced.
j		7	05	02	4	46	96		
		4			2				
1	15	1-	tra	0-	0-	—	—	91	Charge 21,52()kg. pig
(	-f	7	ce	02	4				iron; vory hot;
)		4			0				
J.	it/	1-	5	0-	0-	12-	11-		Mn reduced.
U		6		02	4	05	03		
		4			2				
n	25	0-	3	0-	0-	—	—	84	Charge 21,520 kg. pig
"	i	9		01	3				iron ; warm ;
		3			5		.		
	25	0-			0-				
	|	7		0-	3	11-	9-		
		9	J	04	8	28	49		slag watery ; Mu rodueod.
	15	0-			0-				
1	-f	7		0-	3		. —		Charge 21, 52()kg. pig
9		9	,	Oi	8	—	.	80	iron ; warm ;
1	10	0-	j	0-	0-	11-	8-		Mn reduced.
«	|	5		04	4	07	78		
£		5			5				
1	65	0-			0-				
3	i	5		0-	4				Charge 21,520 kg. pig
		5	3	04	5	—	—	74	iron ; Mn
	b&	0-			0-				
	{	0		0-	5	10-	7-		
		6	)	03	2	30	21		reduced.
1		0-			0-				
4		0	0-	o-	3				Charge 15,984 kg.
	_ J	9	02	oi	5	—	—	70	pigiron; hot; M'n
	|	0-	0-	0-	0-	10-	7-		reduced before the
		0	02	01	4	74	58		addition of
		7			9				
									ferro-manganese.
1		3-			0-				
5	70	3	0-	o-	2				Charge 19,248 kg. pig
	1	8	04	oi	1	—	—	78	iron; bath
	1	1-	0-	o-	0-	12-	9-		very hot ; Mn reduced.
		6	04	oi	3	16	60		
		3			9				
I	*)<	1-	0-	0-	0-	—	—	(3	Charge 19,248 kg. pig
fi	")/	6	04	01	3			5	iron; intenwo
		3			9				
-	ov -	0-	0-	o-	0-	11-	7-		reaction, Mn reduced.

L U	j	9 8	04	oi	4 2	41	49		
1 7	11 5]	0- 9 8 0- 0 7	0- 04 0- 04	o- oi 0- 02	0- 4 2 0- 5 3	10- 31	5- 01	50	Charge 19,248 kg.pig iron; vory hot; Mn reduced.
1 8	30 1	1- 5 5 0- 5 5	0- 02 o- oi	o- oi o- oi	0- 1 1 0- 2 5	10- 57	6- 78	64	Charge 20,176kg. pig iron; hot; Mn reduced.
1 9	40 1	1- 0 9 0- 5 5 0-	o- oi o- oi	0- 01 0- 02	0- 2 5 0- 3 7 0-	9- 26	4- 60	50	Charge 20,176 kg. pig iron ; hot; Mn reduced.
2 0	40 j	5 5 0-	o- oi	0- 02	3 7	—	—	48	Charge 20,176 kg. pig iron; hot ;
	I	0 7	o- oi	0-02 JO-40		8- 63	4- 13		Mn reduced.